

3.14 Basic Trig. Equations (odd answers)

1. $x = \frac{\pi}{2} + \pi k$

3. $x = \frac{3\pi}{2} + 2\pi k$

5. $x = \frac{\pi}{3} + 2\pi k, x = \frac{5\pi}{3} + 2\pi k$

7. $x = \frac{\pi}{6} + \pi k$

9. $x = \frac{5\pi}{4} + 2\pi k, x = \frac{7\pi}{4} + 2\pi k$

11. $\alpha = 45^\circ + 360^\circ k, \alpha = 315^\circ + 360^\circ k$

13. $\alpha = 135^\circ + 180^\circ k$

15. $\alpha = 29.2^\circ, \alpha = 330.8^\circ$

17. $\alpha = 79.5^\circ, \alpha = 259.5^\circ$

19. $\alpha = 0.39, \alpha = 3.53$

21. $\alpha = 56.4^\circ$

23. $m = \sin^{-1}\left(\frac{t-2}{-6}\right) \text{ or } m = \sin^{-1}\left(\frac{2-t}{6}\right)$

25. $x = 0.41 + 2\pi k, x = 2.73 + 2\pi k$

27. $\cos(3y)$